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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/056,362	01/25/2002	Antonius Hendricus Maria Holtslag	NL 010165	8037

24737 7590 02/19/2004

PHILIPS INTELLECTUAL PROPERTY & STANDARDS  
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BRIARCLIFF MANOR, NY 10510

EXAMINER
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CUNNINGHAM, GREGORY F

ART UNIT	PAPER NUMBER
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2676

DATE MAILED: 02/19/2004

7

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/056,362

Applicant(s)

HOLTSLAG ET AL.

Examiner

Greg Cunningham

Art Unit

2676

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 25 November 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 25 November 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
  - 2) ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>5</u> . | 6) <input type="checkbox"/> Other: _____  |

Art Unit: 2676

### **DETAILED ACTION**

1. This action is responsive to communications of amendment received 11/25/2003.
2. The disposition of the claims is as follows: claims 1-14 are pending in the application.

Claims 1 and 11-13 are independent claims.

#### ***Drawings***

3. In view of amended drawings, objection is withdrawn.

#### ***Specification***

4. In view of amended abstract and disclosure, objections are withdrawn.

#### ***Claim Objections***

5. In view of amended claim 1, objection is withdrawn.

#### ***Claim Rejections - 35 USC § 102***

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

7. Claims 1-14 are rejected under 35 U.S.C. 102(a) as being disclosed by Fishman et al.,

PGPUB-DOCUMENT-NUMBER: 20020064764, hereafter Fishman.

Art Unit: 2676

A. Claim 1, “A system comprising: a display information-generating device for generating display information, a display apparatus having a display screen for displaying the display information, detection means for detecting whether at least one of the following criteria is fulfilled in a part of the display information corresponding to an area on the display screen:

(i) an application is one of a group of applications indicating that non-synthetic information is displayed, in which the application is not a picture viewer, or

(ii) an extension of a file is one of a group of extensions indicating that non-synthetic information is displayed, or

(iii) moving information is displayed, and enhancement means for enhancing the part of the display information if at least one of the criteria (i), (ii), (iii) is true” is disclosed in para. [0003], [0005], [0064] and [0071]. Wherein “multimedia analysis system 100 to facilitate collection and use of data” and “video signals to be received” corresponds to “detection means ... for detecting whether ... on the display screen”; and “split screen” corresponds to part of any display information.

B. Claim 2, “The system as claimed in claim 1, wherein the display information-generating device comprises a computer, the detection means being part of the computer and comprising a suitably programmed microprocessor for detecting whether an application is started on the computer, and for determining whether the application started is one of the group of applications, and/or whether the extension of the file associated with the application is one of the group of extensions, and/or whether moving information is displayed“ is disclosed, supra for claim 1, and furthermore in para. [0028] and [0040].

Art Unit: 2676

C. Claim 3, “The system as claimed in claim 2, wherein the part of the display information is an active window, and the detection means are suitably programmed to detect whether a window is opened to determine the application associated with the opened window and/or the file extension of the file being displayed in the window from information linked to the window“ is disclosed, supra for claim 2, and furthermore in para. [0032], [0041], [0051], [0060] and [0068].

D. Claim 4, “The system as claimed in claim 1, wherein the detection means comprise: a memory for storing the part or a portion of the part of the display information as first data at a first instant, and means for comparing the first data with second data corresponding to the part or a portion of the part of the display information at a second, later, instant, to indicate whether a difference between the stored display information and the corresponding display information at the second instant exceeds a limit value“ is disclosed, supra for claim 1, and furthermore in para. [0008], [0009], [0014], [0037], [0040] to [0042], and [0060]. Wherein test comparisons and/or test conditions correspond to limit value.

E. Claim 5, “The system as claimed in claim 1, wherein the detection means comprises: a memory for storing the part or a portion of the part of the display information as first data at a first instant, a comparator for comparing the first data with second data corresponding to the part or a portion of the part of the display information at a second, later, instant, to obtain difference values means for determining absolute values of the difference values, summing means for summing the absolute values of the difference values of corresponding data words of the first and the second data to obtain a sum, and a further comparator for comparing the sum with a limit value“ is disclosed, supra for claim 1, and furthermore in para. [0008], [0009], [0014], [0037],

Art Unit: 2676

[0040] to [0042], [0060] and [0071] to [0072]. Wherein peak corresponds to “means for determining absolute values, time exposure corresponds to summing means, and “creating graphs or other charts of the data sets” corresponds to “comparing the sum with a limit value”.

F. Claim 6, “The system as claimed in claim 4, wherein the memory is the video memory of the video adapter of a computer” is disclosed, supra for claim 4, and furthermore in [0071].

G. Claim 7, “The system as claimed in claim 4, wherein the detection means comprise a suitably programmed microprocessor” is disclosed, supra for claim 4.

H. Claim 8, “The system as claimed in claim 1, wherein the information-generating device comprises means for supplying coordinates defining the area to the display apparatus, the display apparatus comprises the detection means which comprise: an integrator for determining an intensity value of a line or a sum of lines in the area, a sample-and-hold means for storing the determined intensity value at a first instant, and a comparator for comparing the stored intensity value with a further intensity value of a line or a sum of lines in the area at a later instant to supply the control signal, indicating whether a difference between the stored intensity value and the further intensity value exceeds a limit value” is disclosed, supra for claim 1, and furthermore in para. [0013], [0041], [0045], [0046], [0049], [0058]. Wherein “x, y, z position” corresponds to “supplying coordinates”. Wherein sample-and-hold is inherently a part of any analog to digital (A/D) converter.

I. Claim 9, “The system as claimed in claim 1, wherein the detection means are adapted to supply the control signal to automatically activate the enhancing by the enhancement means if the detection means detects in the part of the display information that at least one of the criteria

Art Unit: 2676

(i), (ii), (iii) is true“ is disclosed, supra for claim 1. Wherein “processed by computer system 130” corresponds to “automatically activate the enhancing”.

J. Claim 10, “The system as claimed in claim 9, wherein the system further comprises input means for receiving user input to supply user information indicating whether the part of the display information should be enhanced or not, and a control means receiving the control signal from the detection means and the user information to supply an adapted control signal to activate or deactivate the enhancing in correspondence with the user input, independent of the automatic detection by the detection means“ is disclosed, supra for claim 9, and furthermore in para. [0040] and [0075]. Wherein “keyboard, mouse, stylus, and/or other suitable device” corresponds to “user input”.

K. Per independent claim 11, “A method of displaying display information on a display screen, the method comprising: detecting whether at least one of the following criteria is fulfilled in a part of the display information corresponding to an area on the display screen (i) an application is one of a group of applications indicating that non-synthetic information is displayed, in which the application is not a picture viewer, or (ii) an extension of a file is one of a group of extensions indicating that non-synthetic information is displayed, or (iii) moving information is displayed, and enhancing the part of the display information if at least one of the criteria (i), (ii), (iii) is true“, this is directed to a method for the system of independent claim 1, and therefore is rejected to independent claim 1.

L. Per independent claim 12, “A computer supplying display information for use in a display apparatus with a display screen, the computer comprising: detection means for detecting whether at least one of the following criteria is fulfilled in a part of the display information corresponding

Art Unit: 2676

to an area on the display screen: (i) an application is one of a group of applications indicating that non-synthetic information is displayed, in which the application is not a picture viewer, or (ii) an extension of a file is one of a group of extensions indicating that non-synthetic information is displayed, or (iii) moving information is displayed and means for only providing coordinates for use in the display apparatus if at least one of the above criteria (i) to (iii) is true, the coordinates defining the area“, this is directed to a computer for the system of independent claim 1 and dependent claim 8, and therefore is rejected to independent claim 1 and dependent claim 8.

M. Per independent claim 13,”A display apparatus for displaying display information on a display screen, the display apparatus comprising detection means for deciding whether a part of the display information corresponding to an area on the display screen has to be enhanced, the detection means comprising: an integrator for determining an intensity value of a line or a sum of lines in the area, sample-and-hold means for storing the determined intensity value at a first instant, and a comparator for comparing the stored intensity value with a further intensity value of a line or a sum of lines in the area at a later instant to supply the control signal, indicating whether a difference between the stored intensity value and the further intensity value exceeds a limit value”, this is directed to an apparatus for the system of independent claim 1 and dependent claim 8, and therefore is rejected to independent claim 1 and dependent claim 8.

N. Per dependent claim 14,”A display apparatus as claimed in 13, wherein the display apparatus comprises means for receiving information defining the position of the area“, this is directed to an apparatus for the system of dependent claim 8, and therefore is rejected to dependent claim 8.



***Response to Arguments***

8. With regard to claims 1 and 11-13, “a video contrast enhancer for modifying video signals” corresponds to enhancement means for moving information; and wherein video source cameras detect (implied) video images.

With regard to claims 2-10 and 14, depend from rejected independent claims 1 and 13, respectively and correspondingly rejected as set forth, supra.

***Conclusion***

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

***Responses***

10. Responses to this action should be mailed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231. If applicant desires to fax a response, (703) 872-9314 may be used for formal communications.

Art Unit: 2676

Please label "PROPOSED" or "DRAFT" for informal facsimile communications. Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

*Inquiries*

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Greg Cunningham whose telephone number is (703) 308-6109.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Bella, can be reached on (703) 308-6829.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-4700.

*J. F. Cunningham*

gfc

February 13, 2004

*Matthew C. Bella*

MATTHEW C. BELLA  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600